

RECONNAISSANCE VISIT NOTES

EPA Region 5 Records Ctr.



375322

RECEIVED

FRIEM STEEL CO. -
(Chicago Heights)

INDUSTRIAL WASTE

APR 15 1977

DATE -

February 9, 1977

ACCOMPANIED BY -

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

John Bernbom, ESS/DWPC

During a previous inspection of this facility a polluttional discharge was discovered to the north of the plant structure. A follow-up inspection was conducted.

A purple/reddish oily liquid was discharging from a tile at a rate of about 30 gpm. This discharge is located about 60 ft. to the north of the plant building. (See photos #1 & 2). The banks and bottom of the receiving ditch (which has been excavated in landfill material) are stained a reddish color (see photo #3).

The flow travels to the west in the ditch (see photos #4, #5 and #6) about 1/8 of a mile to a large pit (see photo #7). The pit is about 30 ft. deep, 90 ft. in length and about 180 ft. in width.

A sample of the effluent discharging from the tile was collected at 12:10 P.M. It was reddish purple, oily, and possessed a strong oil odor. The sample was returned to the Chicago Laboratory for analysis. The results of the tests performed are attached.

Michael J. Schmitt

Michael J. Schmitt, Environmental
Protection Engineer, Maywood

MJS:bjg
4/8 - 4/11/77

0 3500 FEB 10 77

Time Collected

12:10 P

Sub-Basin

246011

Date Collected

9 FEB 77

Collector

J. J. J. J.

Facility Name:

Facility Number:

File Text

Stream Name(s)

Stream Code:

Source of Sample: (Exact Location)

DISCHARGE FROM OUTFALL
OF TREATMENT PLANT

Physical Observations, Remarks:

PURPLE, REDDISH BROWN
HEAVY PEANUT OIL. STRONG
ODOR

Flow

2.3 gpm

Field Dissolved Oxygen

Field pH

Field Temp.

Arsenic

Coliform/100ml

350 (EON)

Barium

Fecal Coliform
100 ml

000

Boron

Fecal Strep
100 ml

TS/AC

Cadmium

Algae (Total) /ml

5400 (Susp. Solids)

0.40

Copper

Ammonia (N)

Vol. Susp. Solids

Chromium (tri)

Organic Nitrogen (N)

7.5 mg/L (mg/L)

Chromium (hex)

Nitrate + Nitrite (N)

Turbidity (JTU)

500.0

Iron (Total)

Phosphorus (P)

Hardness

Iron (Dissolved)

Chloride

RECEIVED

Alkalinity

Lead

Fluoride

Total Acidity

3.40

Manganese

Sulfate

Free Acidity

Mercury (ppb)

Cyanide

ILL. F.P.A. - D.L.P.C.
STATE OF ILLINOIS

Nickel

MBAS

Other (Specify)

Selenium

Phenol (ppb)

Silver

0.5

Zinc

Results in mg/l unless
otherwise noted.

100% Recycled Paper

Transported by:	WAT
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FOR LAB USE ONLY.	
Lab Number	0002950
Date sample rec'd:	2-15-77
Date analysis completed:	2-15-77
Date results forwarded:	2-17-77
Total tests requested:	7 Tests run
Lab Section:	Water
Supervisor:	J. J. J.